

BOOKS RECEIVED

FAUTIN, DAPHNE GAIL, DOUGLAS J. FUTUYMA, and FRANCES C. JAMES, eds. 1998. *Annual Review of Ecology and Systematics*. Volume 29. (ISBN 0-8243-1427-1, hbk). Annual Reviews Inc., 4139 El Camino Way, P.O. Box 10139, Palo Alto, CA 94303-0139. Individuals: \$60.00 USA, \$65.00 Elsewhere; Institutional: \$120.00 USA, \$130.00 Elsewhere. 626 pp.

Volume 29 of *Annual Review of Ecology and Systematics* is another excellent mix of articles on ecology and systematics. A total of 20 articles are presented followed by a Subject Index, Cumulative Index of Contributing Authors, and a Cumulative Index of Chapter Titles, Volumes 25-29.

Contents include:

- Molecular Trans-Species Polymorphism
- Principles of Phylogeography as Illustrated by Freshwater and Terrestrial Turtles in the Southeastern United States
- The Functional Significance of the Hyporheic Zone in Streams and Rivers
- Endangered Mutualisms: The Conservation of Plant-Pollinator Interactions
- The Role of Introduced Species in the Degradation of Island Ecosystems: A Case History of Guam
- Evolution of Helping Behavior in Cooperatively Breeding Birds
- The Ecological Evolution of Reefs
- Roads and Their Major Ecological Effects
- Sex Determination, Sex Ratios, and Genetic Conflict
- Early Evolution of Land Plants: Phylogeny, Physiology, and Ecology of the Primary Terrestrial Radiation
- Possible Largest-Scale Trends in Organismal Evolution: Eight "Live Hypotheses"
- Fungal Endophytes: A Continuum of Interactions with Host Plants
- Floral Symmetry and Its Role in Plant-Pollinator Systems: Terminology, Distribution, and Hypotheses
- Vertebrate Herbivores in Marine and Terrestrial Environments: A Nutritional Ecology Perspective
- Carbon and Carbonate Metabolism in Coastal Aquatic Ecosystems
- The Scientific Basis of Forestry
- Pathways, Mechanisms, and Rates of Polyploid Formation in Flowering Plants
- Bacterial Growth Efficiencies in Natural Aquatic Systems
- The Chemical Cycle and Bioaccumulation of Mercury
- Phylogeny of Vascular Plants